

Mineral Industry Surveys

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COPPER IN JULY 2002

Average daily mine production dropped in July owing to reduced production of copper concentrate, while average refinery production was essentially unchanged. Smelter output declined sharply for the second consecutive month. Data for the first 7 months of 2002 indicate that mine and refinery production dropped 18% and 15%, respectively, compared with the same period in 2001. Consumption of refined copper and copper-base scrap declined in July, coinciding with the traditional summer slow-down period. Refined copper consumption for the first 7 months of 2001 was down by 10% compared with the same period in 2001. The downward movement in domestic copper inventories over the preceding 2 months stalled, and inventories rose slightly in July. General imports of refined copper for the first 6 months of 2002 of 566,000 metric tons (t) were down by only 14,000 t (2.4%) from the comparable period in 2001.

Note that 2001 import data (table 14) for copper concentrates have been revised downward. The U.S. Census Bureau has confirmed that data supplied for Chile, Indonesia, and Peru had been gross weight instead of copper content. It is anticipated that year-to-date concentrate import data for 2002 will be adjusted as well.

On July 11, ASARCO Incorporated informed the U.S. Department of Justice (DOJ) that it intended to transfer ownership of its 54% stake in Southern Peru Copper Corp. (SPCC), owned through its subsidiary, Southern Peru Holdings Corp. (SPHC), to its parent company, Americas Mining Corp. (AMC). AMC, a wholly owned subsidiary of Grupo Mexico SA de CV (Grupo), controls Grupo's copper mining interests in North America and South America. According to Asarco, the intent of the sale was to help Asarco "meet its future obligations and remain economically viable." The proceeds would allow Asarco to pay off a \$450 million loan to a consortium of lenders which comes due this autumn. By retiring the loan, Asarco would free up significant cash each month that was used for debt interest payments (ASARCO Incorporated, 2002). On July 15,

however, the DOJ filed a court injunction to block the deal, and on August 13, Asarco and SPCC filed a stipulation agreement with the DOJ, legally binding Asarco not to sell any of its SPCC shares until a U.S. court rules on the DOJ motion. In its injunction, the DOJ cited that because of extensive environmental liabilities, Asarco's transfer of its subsidiary SPHC to Grupo would cause "fraud or injustice to the United States and other creditors of Asarco" and that Grupo had formed SPHC after acquiring Asarco "for the purpose of defrauding the unsecured creditors of Asarco, including the United States, by attempting to insulate its stock from claims of such creditors." Asarco disputed this however, and claimed that it would be in a much better position following the sale to meet its financial and environmental obligations. In its submission, the DOJ claimed that Asarco's total environmental clean-up or payment obligations for sites in numerous Western States could amount to more than \$700 million. Asarco disputed this figure, however, claiming its liability was no more than \$200 million (American Metal Market, 2002b; Platts Metals Week, 2002). Asarco and the DOJ subsequently agreed to extend the moratorium on the sale of SHC until October 17, and agreed to ask the court for a hearing on the injunction in the near future as well as for an expedited briefing and discovery schedule (American Metal Market, 2002a).

References Cited

- American Metal Market, 2002a, Asarco agrees to keep SPCC until Oct. 17: American Metal Market, v. 110, no. 86-2, September 17, p. 2.
- American Metal Market, 2002b, Court action blocks sale of Asarco stake in SPCC until at least Sept. 30: American Metal Market, v. 110, no. 81-4, August 15, p. 4.
- ASARCO Incorporated, 2002, Asarco response to Justice Department action: Phoenix, ASARCO Incorporated press release, August 9, 1 p.
- Platts Metals Week, 2002, US tries to stop Asarco sale of Southern Peru Copper: Platts Metals Week, v. 73, no. 32, August 12, p. 14.

TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES 1/

(Metric tons, unless otherwise specified)

	Source table 2/	2001 p/	2002		
			June	July	January - July
Production:					
Primary:					
Mine, recoverable	(2)	1,340,000	93,400	92,700	661,000
Refinery:					
Electrolytic:					
Domestic	(4)	808,000	70,000	72,700	501,000
Foreign	(4)	192,000	W	W	W
Electrowon	(4)	628,000	49,400	50,100	350,000
Total	(4)	1,630,000	119,000	123,000	851,000
Secondary recoverable copper:					
Refineries	(5)	172,000	7,760 r/	6,970	52,200
Ingot makers 3/	(5)	121,000	10,100	10,100	70,400
Brass and wire-rod mills	(5)	727,000	71,800	67,200	464,000
Foundries, etc. 3/	(5)	67,100	5,590	5,590	39,100
Smelter, total	(3)	919,000	55,400 r/	50,400	405,000
Consumption:					
Apparent	(8)	2,500,000	241,000	NA	NA
Refined (reported)	(7)	2,610,000	212,000	205,000	1,430,000
Purchased copper-base scrap	(9)	1,370,000	119,000	113,000	781,000
Stocks at end of period:					
Total refined	(11)	952,000	1,030,000	1,040,000	XX
Blister, etc.	(11)	98,000	89,600 r/	63,100	XX
Prices:					
U.S. producer cathode (cents per pound) 4/	(12)	76.854	80.386	76.487	77.175
Imports: 5/					
Ores and concentrates 6/	(14)	46,600 r/	49,900	NA	NA
Refined	(14)	991,000	76,200	NA	NA
Exports: 5/					
Ores and concentrates 6/	(15)	45,300	1,350	NA	NA
Refined	(15)	22,500	6,770	NA	NA

p/ Preliminary. r/ Revised. NA Not available. W Withheld to avoid disclosing company proprietary data; included in "Domestic." XX Not applicable.

1/ Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

2/ Numbers in parentheses refer to the detailed tables where these data are located.

3/ Monthly data and 2001 cumulative data estimated based on 2000 monthly average.

4/ Source: Platts Metals Week.

5/ Source: U.S. Census Bureau.

6/ Copper content.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES 1/

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others 2/	Total	Electrowon	Concentrates 3/	Total
2001: p/						
January - July	513,000 r/	286,000	799,000 r/	356,000	454,000	809,000
July	72,900	37,000	110,000	54,500	56,300	111,000
August	73,600	35,900	109,000	55,500	55,500	111,000
September	73,000	33,600	107,000	53,800	54,200	108,000
October	76,800	36,600	113,000	55,000	60,000	115,000
November	73,000	29,000	102,000	54,100	49,300	103,000
December	75,900	35,800	112,000	54,200	59,100	113,000
Year	885,000	457,000	1,340,000	628,000	732,000	1,360,000
2002:						
January	65,500	28,600	94,100	52,800	42,500	95,300
February	59,800	31,000	90,800	46,200	45,900	92,000
March	65,500	35,200	101,000	50,800	51,200	102,000
April	62,100	32,800	94,900	50,600	45,500	96,000
May	64,100	29,900	94,000	49,900	45,300	95,300
June	63,600	29,800	93,400	49,400	45,300	94,700
July	63,100	29,600	92,700	50,100	43,800	93,900
January - July	444,000	217,000	661,000	350,000	320,000	669,000

p/ Preliminary. r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes production from Alaska, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

3/ Includes copper content of precipitates and other metal concentrates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN
THE UNITED STATES, BY SOURCE 1/ 2/

(Metric tons, copper content)

Period	Anode production
2001: p/	
January - July	542,000 r/
July	62,400
August	70,300
September	71,100
October	80,500
November	75,600
December	79,600
Year	919,000
2002:	
January	64,300
February	50,300
March	61,900
April	60,400
May	62,200 r/
June	55,400 r/
July	50,400
January - July	405,000

p/ Preliminary. r/ Revised.

1/ Includes blister, anode and black copper from primary or secondary sources.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4
PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY 1/

(Metric tons)

Period	Primary materials				Scrap	Total refined
	Electrolytic 2/		Electrowon	Total		
	Domestic 3/	Foreign				
2001: p/						
January - July r/	489,000	98,800	356,000	943,000	116,000	1,060,000
July	63,100	14,100	54,500	132,000	14,400	146,000
August	50,000	20,700	55,500	126,000	16,700	143,000
September	61,200	18,200	53,800	133,000	14,600	148,000
October	60,500	21,300	55,000	137,000	11,800	149,000
November	72,300	18,500	54,100	145,000	7,220	152,000
December	74,700	14,800	54,100	144,000	5,980	150,000
Year	808,000	192,000	628,000	1,630,000	172,000	1,800,000
2002:						
January	66,100	10,600	52,800	129,000	6,920	136,000
February	57,900	8,410	46,200	113,000	7,630	120,000
March	55,900	10,700	50,800	117,000	7,090	124,000
April	62,300	10,300	50,600	123,000	7,630	131,000
May	76,100	W	49,900	126,000	8,180	134,000
June	70,000	W	49,400	119,000	7,760 r/	127,000
July	72,700	W	50,100	123,000	6,970	130,000
January - July	501,000	W	350,000	851,000	52,200	903,000

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Domestic."

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Based on source of material at smelter level.

3/ Includes fire-refined copper.

TABLE 5
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP 1/

(Metric tons, copper content)

Period	Refineries 2/		Ingot makers 3/		Brass and wire-rod mills		Foundries, etc. 3/		Total 4/
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2001: p/									
January - July r/	20,500	95,600	17,400	52,900	415,000	11,500	8,580	30,500	652,000
July	3,470	11,000	2,490	7,560	52,000	969	1,230	4,360	83,100
August	4,340	12,300	2,490	7,560	57,300	1,790	1,230	4,360	91,500
September	3,130	11,400	2,490	7,560	56,100	1,140	1,230	4,360	87,500
October	3,720	8,090	2,490	7,560	62,500	1,790	1,230	4,360	91,800
November	2,230	4,990	2,490	7,560	57,800	1,640	1,230	4,360	82,300
December	1,840	4,140	2,490	7,560	58,500	1,880	1,230	4,360	82,000
Year	35,800	137,000	29,900	90,700	707,000	19,800	14,700	52,400	1,090,000
2002:									
January	3,110	3,810	2,490	7,560	60,500	1,790	1,230	4,360	84,800
February	3,350	4,270	2,490	7,560	62,600	1,820	1,230	4,360	87,700
March	2,910	4,180	2,490	7,560	65,400	1,770	1,230	4,360	89,900
April	3,300	4,320	2,490	7,560	64,000	904	1,230	4,360	88,100
May	3,710	4,470	2,490	7,560	64,700	1,840	1,230	4,360	90,400
June	3,430	4,330	2,490	7,560	70,000	1,780	1,230	4,360	95,200
July	2,800	4,170	2,490	7,560	65,500	1,720	1,230	4,360	89,800
January - July	22,600	29,600	17,400	52,900	453,000	11,600	8,580	30,500	626,000

p/ Preliminary. r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Electrolytically refined and fire-refined scrap based on source of material at smelter level.

3/ Monthly data and 2001 cumulative data estimated based on 2000 annual data.

4/ Does not include an estimate, based on reported 2000 data, of 3,790 tons per month from new scrap and 2,380 tons per month from old scrap of copper recovered from scrap other than copper-base.

TABLE 6
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD MILL SEMIFABRICATES 1/

(Metric tons, gross weight)

Period	Production		Shipments		Stocks, end of period	
	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2001: p/						
January - July	864,000 r/	1,100,000	866,000	1,100,000	XX	XX
July	107,000	158,000	107,000	156,000	50,100	30,100
August	128,000	163,000	128,000	163,000	49,700	30,000
September	122,000	158,000	121,000	159,000	50,800	28,800
October	124,000	164,000	123,000	165,000	52,000	25,700
November	116,000	157,000	117,000	155,000	52,300	27,700
December	113,000	139,000	111,000	140,000	54,200	25,800
Year	1,470,000	1,880,000	1,470,000	1,880,000	XX	XX
2002:						
January	123,000	143,000	125,000	143,000	49,500	25,600
February	122,000	139,000	123,000	135,000	48,500	28,900
March	131,000	148,000	130,000	147,000	48,900	29,200
April	130,000	155,000	130,000	158,000	48,800	26,500
May	131,000	154,000	132,000	156,000	48,200	24,100
June	134,000	150,000	133,000	145,000 r/	51,900	28,600 r/
July	123,000	146,000	124,000	147,000	51,600	27,900
January - July	893,000	1,030,000	897,000	1,030,000	XX	XX

p/ Preliminary. r/ Revised. XX Not applicable.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 7
CONSUMPTION OF REFINED COPPER 1/

(Metric tons)

Period and item	Wire-rod mills	Brass mills	Other plants 2/	Total
2001: p/				
January - July	1,160,000	388,000 r/	36,500 r/	1,590,000 r/
July	161,000	44,900	5,220	211,000
August	160,000	53,100	5,220	218,000
September	155,000	47,400	5,220	208,000
October	164,000	46,600	5,220	216,000
November	151,000	45,700	5,220	202,000
December	135,000	41,800	5,220	182,000
Year	1,930,000	623,000	62,600	2,610,000
2002:				
January	140,000	46,600	5,220	192,000
February	138,000	47,500	5,220	191,000
March	147,000	51,400	5,220	204,000
April	156,000	51,400	5,220	213,000
May	155,000	58,600	5,220	218,000
June	152,000	54,500 r/	5,220	212,000
July:				
Cathodes	150,000	35,900	1,210	187,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	--	1,520	1,760	3,280
Cakes and slabs	--	(3)	(3)	(3)
Billets and other	W	12,100	2,250	14,400
Total	150,000	49,600	5,220	205,000
January - July	1,040,000	360,000	36,500	1,430,000

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included with "Cathodes." -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2000 annual data.

3/ Withheld to avoid disclosing company proprietary data; included with "Billets and other."

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER 1/

(Metric tons)

Period	Refined copper production	Copper in old scrap 2/	Refined general imports 3/	Refined exports 3/	Stock change during period	Apparent consumption
2001: p/						
January - June	814,000 r/	169,000 r/	581,000	9,860	229,000 r/	1,320,000 r/
June	141,000	28,200	89,000	815	45,100	213,000
July	132,000	26,500	95,800	1,650	108,000 r/	144,000
August	126,000	28,700	80,900	2,590	30,400	203,000
September	133,000	27,100	114,000	1,190	89,500	184,000
October	137,000	24,400	78,600	4,630	34,900	200,000
November	145,000	21,200	148,000	5,290	68,500	240,000
December	144,000	20,600	101,000	571	56,200	208,000
Year	1,630,000	312,000	1,200,000	25,800	618,000	2,500,000
2002:						
January	129,000	20,100	134,000	393	49,300	234,000
February	113,000	20,600	113,000	699	29,200	216,000
March	117,000	20,500	64,300	3,150	22,900	176,000
April	123,000	19,800	105,000	652	15,600	232,000
May	126,000	20,900	70,200	814	(15,300) r/	232,000 r/
June	119,000	20,800	79,500	6,770	(28,100) r/	241,000
July	122,000	18,900	NA	NA	11,500	NA
January - June	728,000	123,000	566,000	12,500	73,400	1,330,000

p/ Preliminary. r/ Revised. NA Not available.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes reported monthly production of copper from old scrap of copper-base, an estimate for annual reporters, and a monthly average of copper from non-copper-base materials based on 2000 data.

3/ Source: U.S. Census Bureau.

TABLE 9
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP 1/

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers 2/		Brass and wire-rod mills 3/		Foundries, etc. 2/		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2001: p/									
January - July	35,300 r/	99,300 r/	25,700 r/	72,900 r/	528,000 r/	12,000	15,300 r/	33,200 r/	821,000
July	3,590	15,000	3,670	10,400	65,700	1,010	2,180	4,740	106,000
August	4,270	16,600	3,670	10,400	73,000	1,840	2,180	4,740	117,000
September	3,730	14,800	3,670	10,400	71,200	1,190	2,180	4,740	112,000
October	3,990	4,800	3,670	10,400	79,200	1,840	2,180	4,740	111,000
November	3,660	3,460	3,670	10,400	73,100	1,660	2,180	4,740	103,000
December	3,610	2,240	3,670	10,400	73,900	1,930	2,180	4,740	103,000
Year	54,600	141,000	44,000	125,000	898,000	20,400	26,200	56,800	1,370,000
2002:									
January	3,530	2,500	3,670	10,400	76,600	1,840	2,180	4,740	105,000
February	4,120	3,410	3,670	10,400	79,100	1,880	2,180	4,740	110,000
March	3,940	3,030	3,670	10,400	82,700	1,830	2,180	4,740	112,000
April	4,160	3,340	3,670	10,400	80,600	951	2,180	4,740	110,000
May	4,290	3,780	3,670	10,400	81,500	1,900	2,180	4,740	113,000
June	4,170 r/	3,480 r/	3,670	10,400	88,300	1,840	2,180	4,740	119,000
July	2,840	4,020	3,670	10,400	82,900	1,770	2,180	4,740	113,000
January - July	27,100	23,600	25,700	72,900	572,000	12,000	15,300	33,200	781,000

p/ Preliminary. r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Monthly data and 2001 cumulative data estimated from 2000 annual data.

3/ Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP 1/ 2/

(Metric tons, gross weight)

Scrap type and processor	2001 p/		2002			
	January - July	Year	May	June	July	January - July
No. 1 wire and heavy:						
Smelters and refiners	43,300 r/	73,200	6,210	5,950 r/	5,570	39,100
Brass and wire-rod mills	232,000 r/	395,000	36,400	39,000	36,400	253,000
No. 2 mixed heavy and light:						
Smelters and refiners	68,900 r/	103,000	4,960	4,800	4,390	33,200
Brass and wire-rod mills	3,390	5,340	312	332	235	1,960
Total unalloyed scrap:						
Smelters and refiners	112,000 r/	176,000	11,200	10,700 r/	9,950	72,300
Brass and wire-rod mills	235,000 r/	400,000	36,700	39,300	36,600	254,000
Red brass: 3/						
All plants	34,600 r/	57,400	4,860	4,660	4,360	31,700
Leaded yellow brass:						
All plants	209,000 r/	353,000	31,100	31,300	29,600	213,000
Yellow and low brass:						
All plants	63,600 r/	109,000	9,190	10,600	10,600	67,400
Cartridge cases and brass:						
Smelters and refiners	W	W	W	W	W	W
Brass mills	20,200 r/	35,500	3,840	6,920	5,880	32,800
Auto radiators:						
Smelters and refiners	27,400 r/	45,700	3,490	3,490	3,490	24,400
Bronzes:						
Smelters and refiners	6,380 r/	10,900	912	912	912	6,380
Brass mills	4,340 r/	8,300	933	943	947	6,610
Nickel-copper alloys:						
All plants	11,800 r/	18,600	1,280	931	1,120	9,800
Low grade and residues:						
Smelters and refiners	36,300 r/	50,000	1,110	1,110	1,110	7,780
Other alloy scrap: 4/						
Smelters and refiners 5/	6,590 r/	8,890	138	138	138	966
Brass mills	3,130 r/	5,570	550	565	565	3,880
Total alloyed scrap:						
Smelters and refiners	119,000 r/	185,000	10,700	10,700	10,700	74,900
Brass mills	304,000 r/	518,000	46,700	50,800	48,000	329,000
Total scrap:						
Smelters and refiners	231,000 r/	361,000	21,900	21,400 r/	20,700	147,000
Brass and wire-rod mills	540,000 r/	919,000	83,400	90,200	84,700	584,000

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Other alloy scrap: Smelters and refiners."

1/ Does not include: consumption by foundries, chemical plants, and miscellaneous manufacturers, estimated to total about 6,920 tons of scrap per month in 2000; monthly data include estimates of about 15,500 tons of scrap per month consumed by ingot makers and several smelters that report on an annual basis.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Includes composition turnings, silicon bronze, zinc bronze, railroad car boxes, cocks and faucets, gilding metal, and commercial bronze.

4/ Includes refinery brass, beryllium copper, phosphor copper, and aluminum bronze.

5/ Includes items indicated by symbol W.

TABLE 11
COPPER STOCKS AT END OF PERIOD 1/

(Metric tons)

Period	Crude copper 2/	Refined copper					Total refined	
		Refineries 3/	Wire rod mills 3/	Brass mills 3/	Other 4/	Comex 5/		LME 6/
2001: p/								
July	89,500	19,700	30,800	22,700	4,680	160,000	435,000	673,000
August	93,100	17,800	28,900	23,100	4,680	170,000	459,000	703,000
September	88,100	17,700	28,200	21,100	4,680	181,000	540,000	793,000
October	105,000	19,300	25,700	20,100	4,680	191,000	566,000	828,000
November	88,500	24,300	26,600	24,700	4,680	215,000	601,000	896,000
December	98,000	28,600	32,900	25,500	4,680	244,000	617,000	952,000
2002:								
January	99,200	26,500	33,100	25,000	4,680	258,000	654,000	1,000,000
February	89,200	28,700	14,100	25,100	4,680	275,000	683,000	1,030,000
March	96,000	22,100	15,100	23,700	4,680	284,000	704,000	1,050,000
April	91,000	19,400	20,300	22,300	4,680	296,000	707,000	1,070,000
May	92,700	14,400	r/ 19,000	21,000	4,680	304,000	691,000	1,050,000
June	89,600	r/ 18,700	14,500	r/ 19,700	4,680	322,000	646,000	1,030,000
July	63,100	16,500	18,300	24,100	4,680	338,000	636,000	1,040,000

p/ Preliminary. r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Copper content of blister and other materials in transit and in process of refining.

3/ Stocks of refined copper as reported; no estimates are made for nonrespondents.

4/ Monthly estimates based on reported and 2000 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

5/ Commodity Exchange Inc., New York.

6/ London Metal Exchange Ltd., U.S. warehouses.

TABLE 12
AVERAGE PRICE OF COPPER IN THE UNITED STATES AND
ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	U.S. producers delivered price cathode 1/	Comex first position 2/	LME cash price Grade A
2001:			
July	72.261	69.438	69.166
August	71.559	67.341	66.407
September	69.628	65.428	64.682
October	67.422	63.204	62.460
November	70.560	66.093	64.747
December	72.050	67.832	66.740
Year	76.854	72.567	71.574
2002:			
January	73.944	69.786	68.202
February	76.384	72.226	70.831
March	78.683	74.525	72.779
April	76.966	73.107	72.118
May	77.378	73.220	72.362
June	80.386	76.228	74.715
July	76.487	72.329	72.082
January - July	77.175	73.060	71.870

1/ Listed as "U.S. producer cathode."

2/ Listed as "Comex high grade first position."

Sources: Platts Metals Week and American Metal Market.

TABLE 13
NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

Month	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (New York)	
			No. 2 scrap	Red brass turnings and borings
2001:				
July	66.46	57.50	50.00	42.00
August	64.33	55.37	46.00	39.00
September	63.39	54.46	46.00	40.00
October	61.39	52.78	44.48	38.39
November	63.45	53.82	40.09	37.09
December	65.87	54.47	41.47	37.00
Year	69.62	58.96	48.76	40.63
2002:				
January	67.36	55.62	41.19	38.10
February	69.42	57.29	43.00	37.00
March	72.24	59.76	43.00	39.00
April	71.82	54.00	44.00	38.91
May	71.98	60.39	44.00	37.00
June	74.78	63.15	44.00	39.00 r/
July	72.07	60.74	44.00	39.00
January - July	71.38	58.71	43.31	38.29

r/ Revised.

Source: American Metal Market.

TABLE 14
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS 1/

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash and precipitates			Blister and anodes			Refined		
	2002			2002			2002			2002		
	2001	June	January - June	2001	June	January - June	2001	June	January - June	2001	June	January - June
Brazil	--	--	--	--	--	--	--	--	--	12,000	--	18,400
Canada	7,210	--	7,530	43	--	75	79,700	6,510	42,400	270,000	19,600	151,000
Chile	19,200 r/	39,800	108,000	--	--	--	87,700	3,240	16,500	174,000	26,300	102,000
Indonesia	6,010 r/	10,000	10,000	--	--	--	--	--	--	--	--	--
Italy	--	--	--	--	--	--	12,200	--	--	--	--	--
Kazakhstan	--	--	--	--	--	--	--	--	--	82,400	--	2,060
Mexico	2,550	--	--	317	72	72	48,900	1,130	5,290	131,000	4,190	29,300
Namibia	--	--	--	--	--	--	6,840	--	2,850	--	--	--
Peru	11,600 r/	--	10,400	--	--	--	22,600	--	4,730	280,000	22,000	132,000
Philippines	--	--	--	--	--	--	4,990	--	--	999	--	--
Russia	--	--	--	--	--	--	115	--	--	22,800	3,140	7,010
Spain	--	--	--	--	--	--	4,420	--	--	--	--	--
Taiwan	--	--	--	560	30	251	--	--	--	34	--	--
Turkey	--	--	10,000	--	--	--	--	--	--	--	--	--
Other	--	--	2	25	2	4	3,510	--	1	17,400 r/	1,000	10,800
Total	46,600 r/	49,900	146,000	945	104	401	271,000	10,900	71,700	991,000	76,200	452,000

r/ Revised. -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 15
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS 1/

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash and precipitates			Blister and anodes			Refined		
	2002			2002			2002			2002		
	January -			January -			January -			January -		
	2001	June	June	2001	June	June	2001	June	June	2001	June	June
Belgium	18	--	21	--	--	(2/)	1,550	--	179	30	--	--
Canada	30,300	1,280	9,410	6,860	472	1,570	13,800	1,790	9,610	6,520	203	2,060
China	2,310	33	638	3	19	63	87	119	204	8,520	6,370	6,370
Egypt	--	--	--	--	--	--	2	--	--	2,160	--	2,200
France	1	--	--	64	--	--	2,130	--	40	62	6	39
Germany	443	--	28	50	--	35	982	39	79	169	22	46
Hong Kong	87	--	11	2	--	103	2,470	280	1,350	2,330	--	31
India	8	--	--	261	--	152	125	10	47	--	83	436
Israel	836	--	--	18	--	--	65	9	17	6	--	14
Italy	20	--	--	--	--	--	376	--	90	27	--	--
Japan	19	9	26	8	--	1,280	216	20	40	460	--	2
Korea, Republic of	699	3	191	1,090	15	20	1,320	65	324	78	29	394
Mexico	9,130	--	2,290	15,300	84	4,820	22	(2/)	22	821	19	82
Singapore	159	--	60	(2/)	(2/)	(2/)	407	40	219	14	--	--
Taiwan	347	--	4	50	--	64	1,130	100	568	146	--	29
Thailand	22	--	3	--	--	--	264	20	109	--	--	--
United Kingdom	280	8	8	49	(2/)	(2/)	451	68	233	457	38	476
Venezuela	501	--	--	--	--	--	5	--	6	140	--	205
Other	143	12	71	144	48	68	644	r/ 56	340	576	4	100
Total	45,300	1,350	12,800	23,900	639	8,180	26,000	2,610	13,500	22,500	6,770	12,500

r/ Revised. -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 16
U.S. COPPER SCRAP TRADE 1/

(Metric tons, gross weight)

Country or territory	Imports						Exports					
	Unalloyed			Alloyed			Unalloyed			Alloyed		
	2002			2002			2002			2002		
	2001	June	January - June	2001	June	January - June	2001	June	January - June	2001	June	January - June
Belgium	--	--	--	388	--	--	1,260	160	902	1,470	249	2,690
Canada	10,600	1,350	7,660	45,800	3,610	19,700	38,700	2,560	10,500	33,100	2,000	13,000
China	41	--	--	15	68	308	156,000	11,200	59,100	136,000	12,400	68,600
Colombia	--	--	--	899	20	476	--	--	--	18	--	2
Costa Rica	868	68	511	635	17	204	--	--	--	3	--	2
Dominican Republic	1,550	149	799	1,570	98	545	--	--	--	--	--	--
France	--	--	--	188	4	72	11	--	823	59	167	446
Germany	27	3	3	62	--	17	6,500	1,540	8,820	9,480	1,150	9,080
Guatemala	499	59	308	1,990	105	602	--	--	--	--	(2/)	(2/)
Honduras	484	54	139	656	21	126	--	--	--	--	--	--
Hong Kong	--	--	--	--	--	--	4,300	750	4,670	5,440	378	3,520
India	--	--	--	--	--	--	2,770	252	1,770	33,400	3,760	24,000
Italy	309	--	116	--	--	--	117	--	30	143	--	19
Jamaica	283	35	205	470	20	184	--	--	--	--	--	--
Japan	169	2	36	--	--	13	13,800	999	5,690	13,200	694	4,360
Korea, Republic of	--	--	19	20	--	40	24,400	1,090	7,500	17,800	1,370	10,500
Mexico	13,500	817	4,920	24,000	1,330	8,740	2,760	239	1,090	4,370	29	103
Netherlands	--	--	--	20	--	354	109	--	--	963	19	312
Nicaragua	276	10	203	54	10	33	--	--	--	--	--	--
Panama	161	10	142	804	75	497	--	--	--	--	--	79
Peru	347	--	--	112	--	--	--	--	--	--	--	--
Spain	--	--	--	47	--	(2/)	549	--	37	2,710	--	1,660
Switzerland	--	--	--	45	--	--	596	--	20	3,720	60	1,030
Taiwan	--	--	15	554	58	244	9,120	841	4,880	5,870	946	4,170
United Kingdom	64	18	64	919	97	824	36	--	--	570	164	532
Venezuela	42	--	42	874	139	1,330	--	--	--	--	--	--
Other	992	58	325	4,250	181	1,100	868	36	903	3,500	426	1,380
Total	30,300	2,630	15,500	84,400	5,850	35,400	262,000	19,600	107,000	272,000	23,800	145,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

Source: U.S. Census Bureau.